

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097283.D
 Acq On : 2 Aug 2017 19:48
 Operator : SJ/JU
 Sample : I4543-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-073117-A

Manual Integrations
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Quant Time: Aug 02 23:39:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	121899	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	479201	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	199537	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	324052	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	212936	20.00	ng	-0.06
86) Perylene-d12	14.92	264	191492	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	67562	8.36	ng	-0.05
7) Phenol-d6	6.12	99	95048	10.30	ng	-0.05
23) Nitrobenzene-d5	7.02	82	48065	5.88	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	13237	8.40	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	88047	7.49	ng	-0.06
78) Terphenyl-d14	12.53	244	56233	5.38	ng	-0.05
Target Compounds						Qvalue
70) Phenanthrene	10.97	178	89867	5.176	ng	97
74) Fluoranthene	12.16	202	106970	6.289	ng	79
77) Pyrene	12.38	202	96094	5.512	ng	98
80) Benzo(a)anthracene	13.56	228	36894	2.678	ng	98
82) Chrysene	13.60	228	32157	2.390	ng	97
87) Benzo(b)fluoranthene	14.56	252	41915m	3.641	ng	
89) Benzo(a)pyrene	14.87	252	28096	2.667	ng	# 81
91) Benzo(g,h,i)perylene	16.49	276	19177	2.117	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

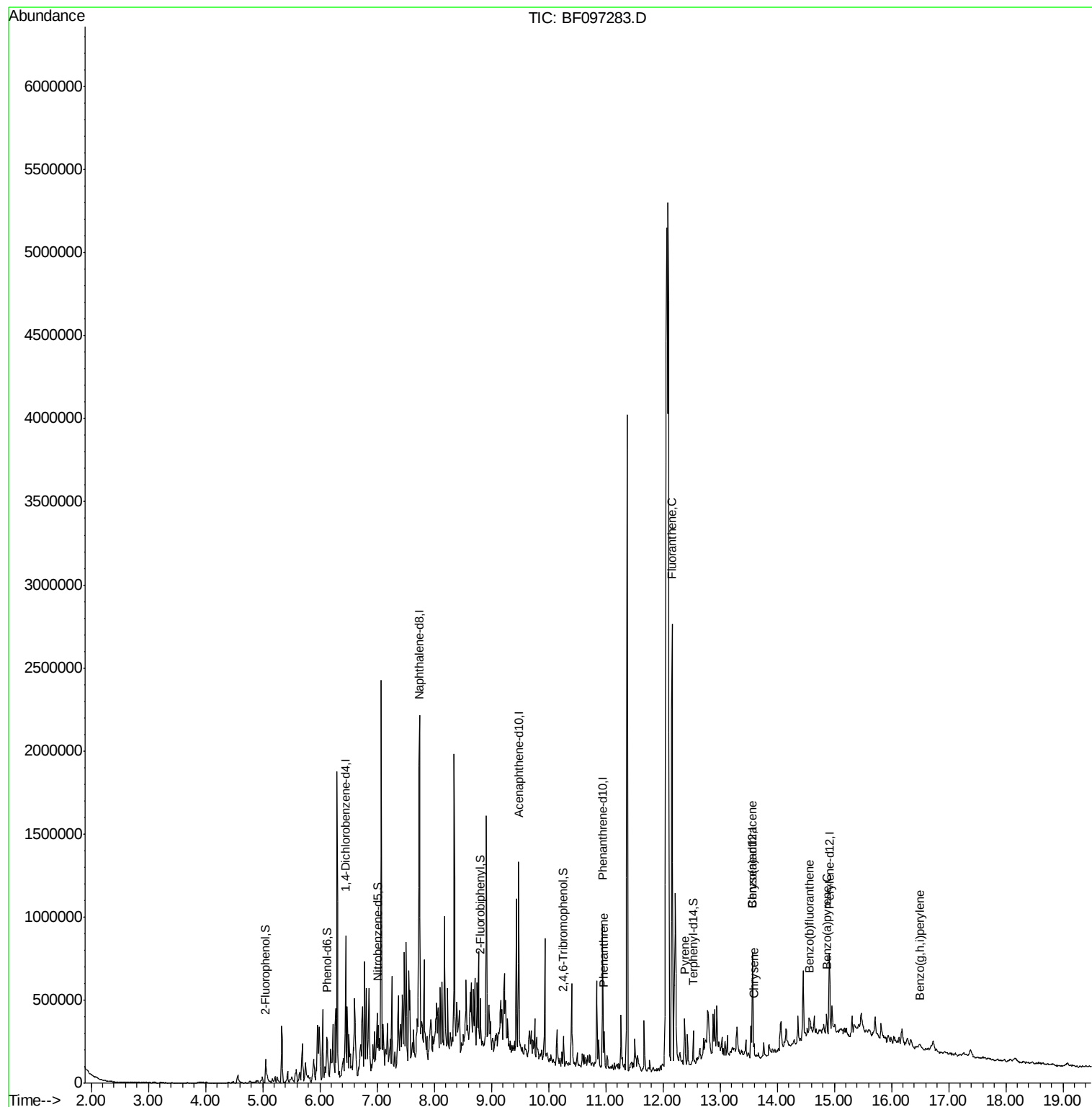
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Acq On : 2 Aug 2017 19:48
Operator : SJ/JU
Sample : I4543-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

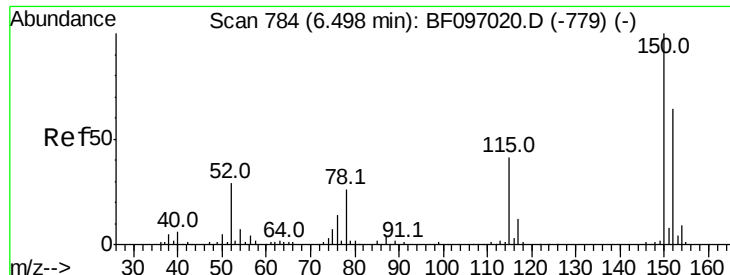
Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

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#1

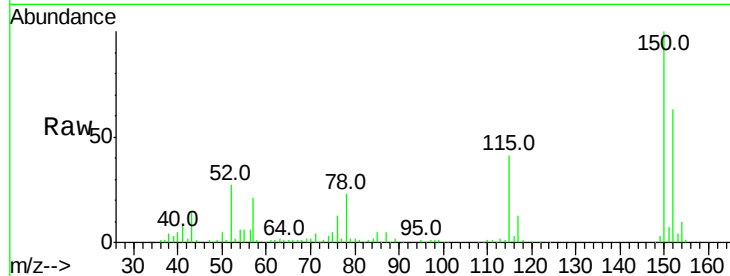
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	64.1	52.2	78.2

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Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

250000

200000

150000

100000

50000

0

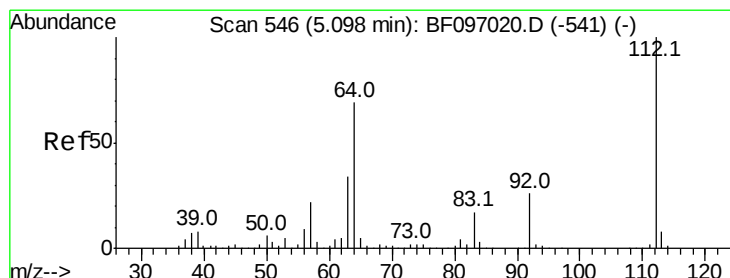
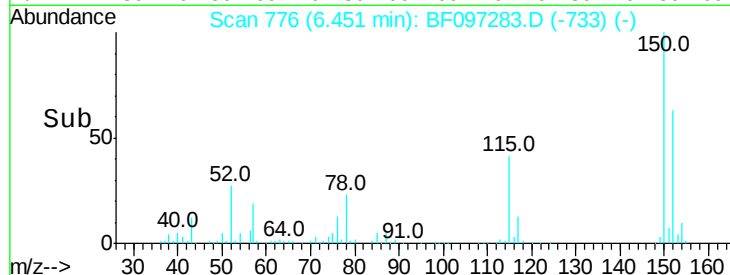
6.40

6.45

6.50

6.55

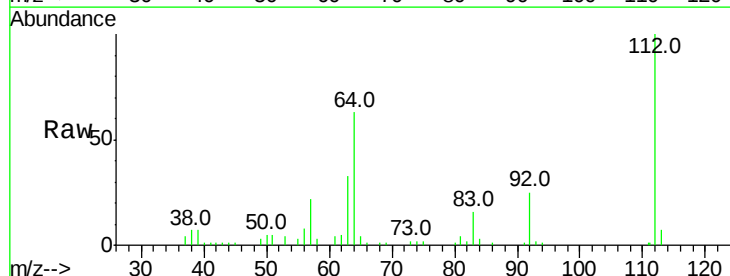
Time-->



#5

2-Fluorophenol
Concen: 8.355 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	46.0	69.0
63	32.8	23.4	35.0



Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

50000

40000

30000

20000

10000

0

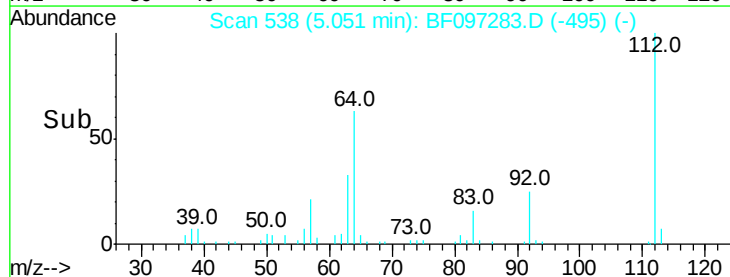
5.00

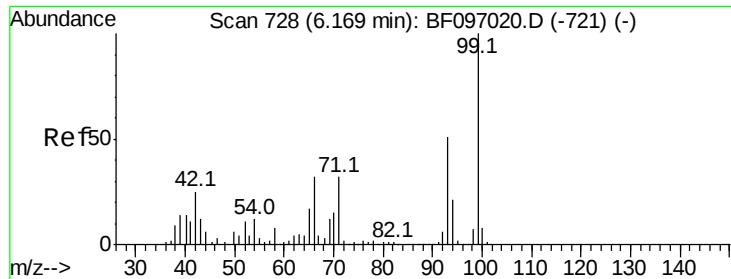
5.05

5.10

5.15

Time-->





#7

Phenol-d6

Concen: 10.296 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

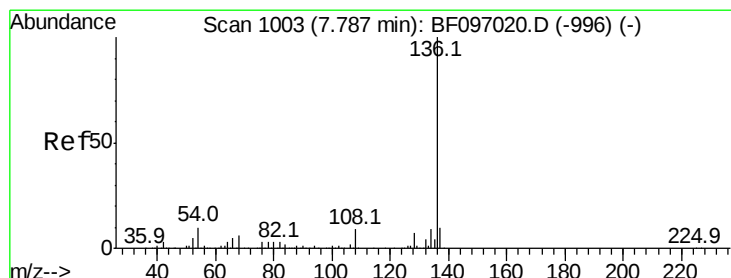
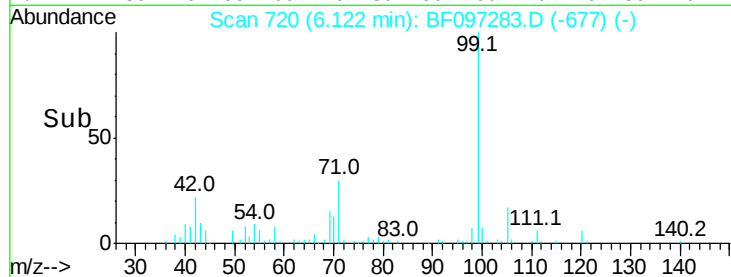
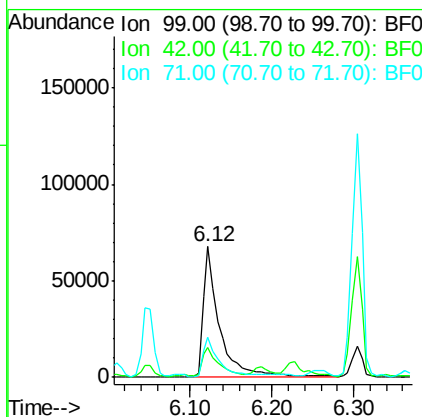
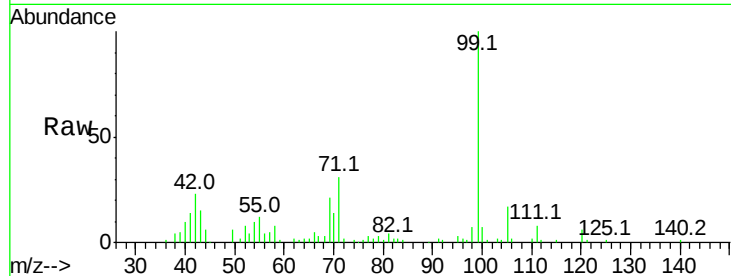
ClientSampleId :

HR-05-073117-A

Tot Ion:	99	Resp:	95048
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	30.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

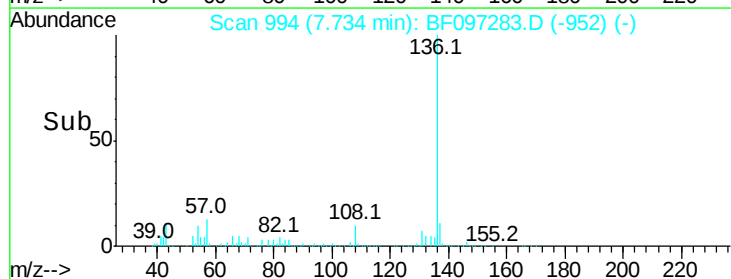
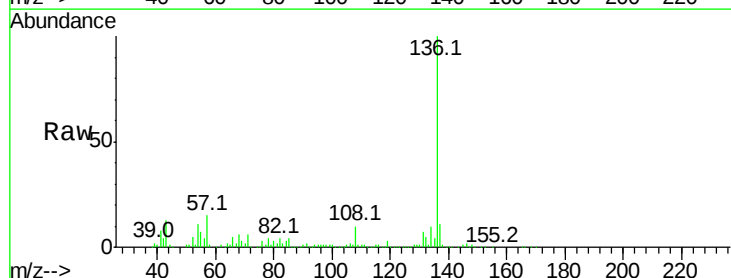
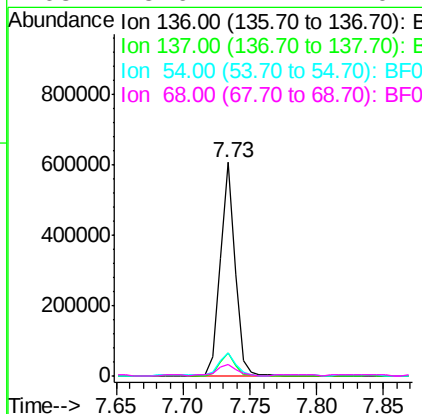
RT: 7.73 min Scan# 994

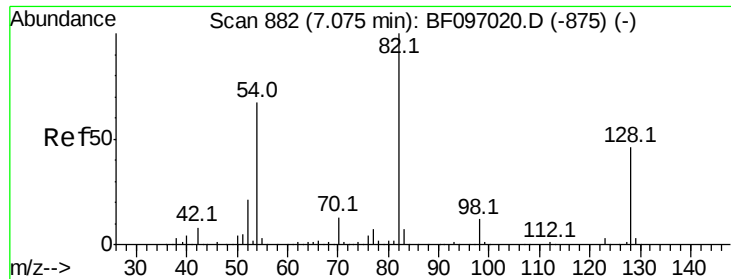
Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Tgt Ion:	136	Resp:	479201
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.7	4.9	7.3#
68	5.6	4.1	6.1





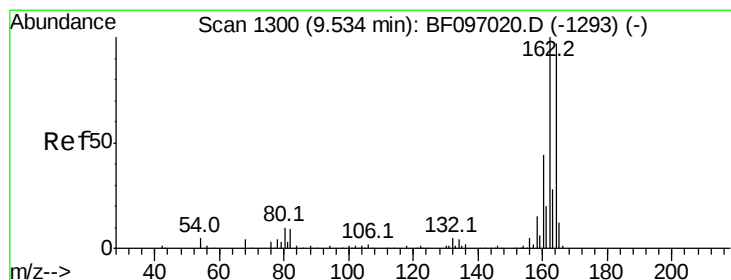
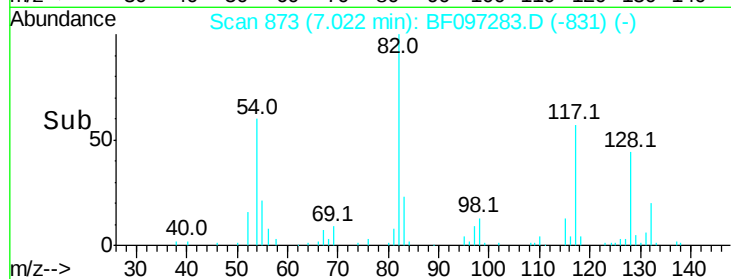
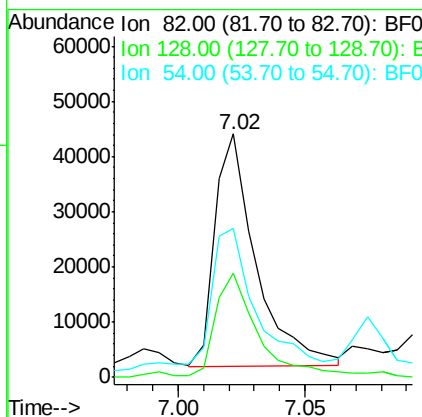
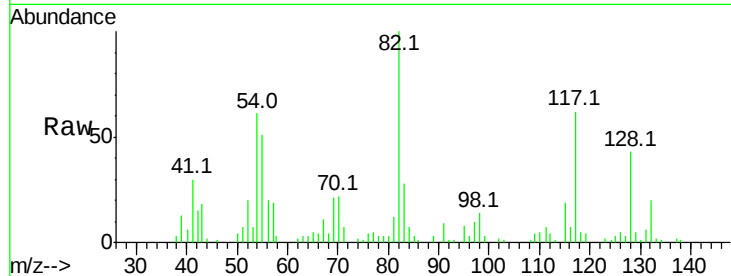
#23
 Nitrobenzene-d5
 Concen: 5.884 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF097283.D
 Acq: 2 Aug 2017 19:48

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-073117-A

Tot Ion:	82	Resp:	48065
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.0	51.0
54	61.0	42.2	63.2

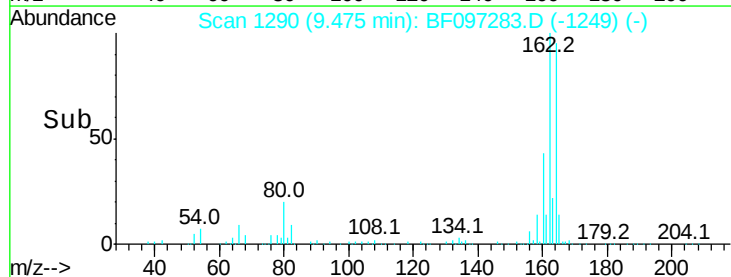
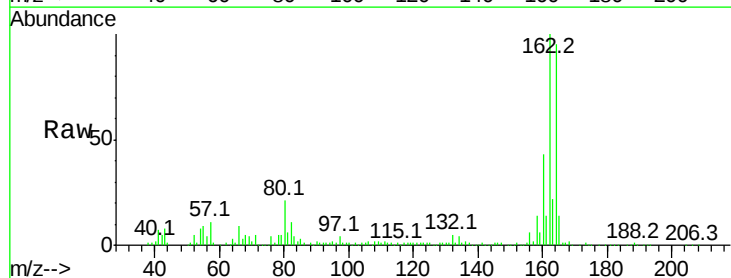
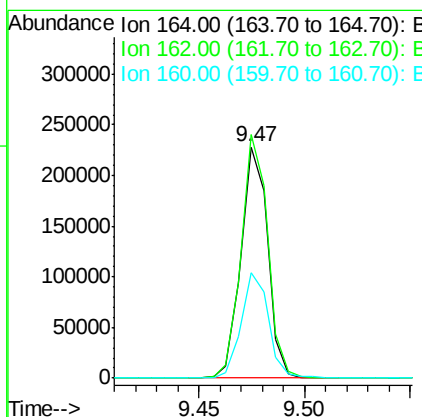
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097283.D
 Acq: 2 Aug 2017 19:48

Tgt Ion:	164	Resp:	199537
Ion Ratio	Lower	Upper	
164	100		
162	105.2	82.6	123.8
160	45.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 8.396 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

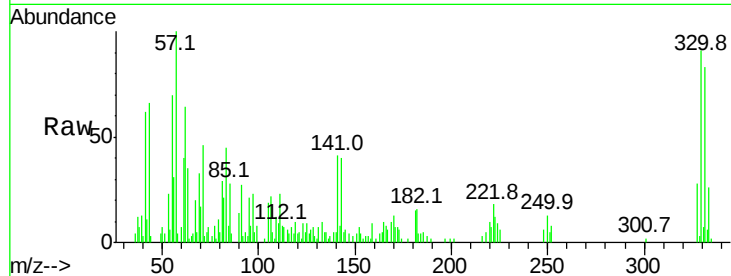
ClientSampled :

HR-05-073117-A

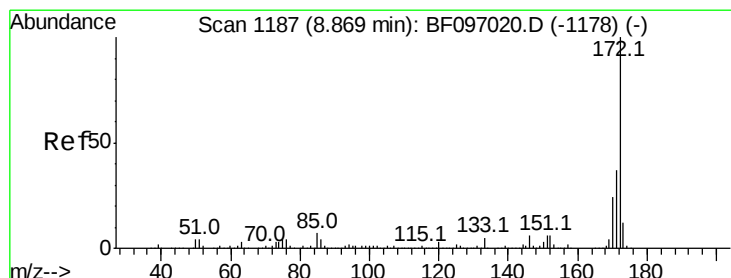
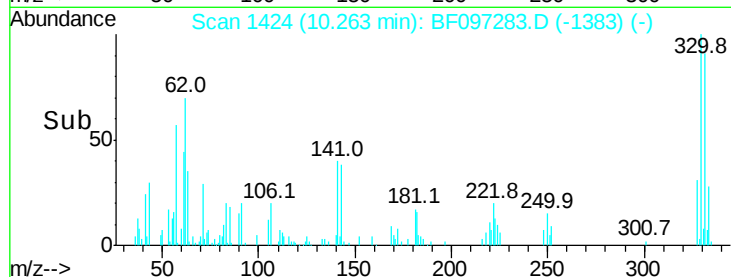
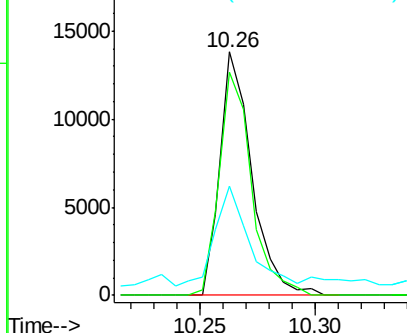
Tot Ion:	330	Resp:	13237
Ion Ratio	Lower	Upper	
330	100		
332	92.7	76.6	115.0
141	42.2	31.4	47.2

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 7.489 ng

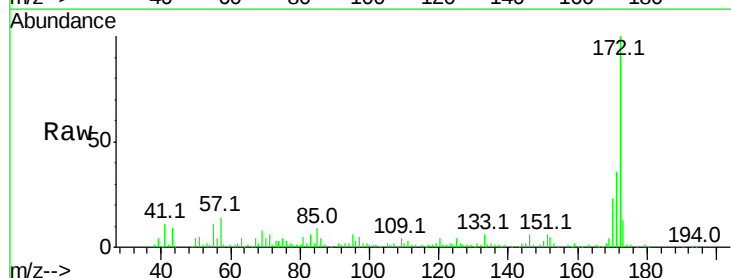
RT: 8.81 min Scan# 1177

Delta R.T. -0.06 min

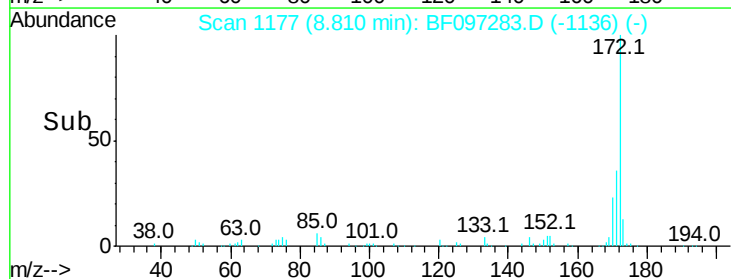
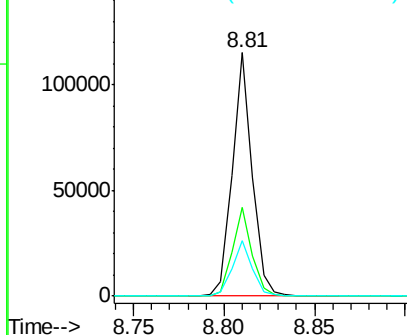
Lab File: BF097283.D

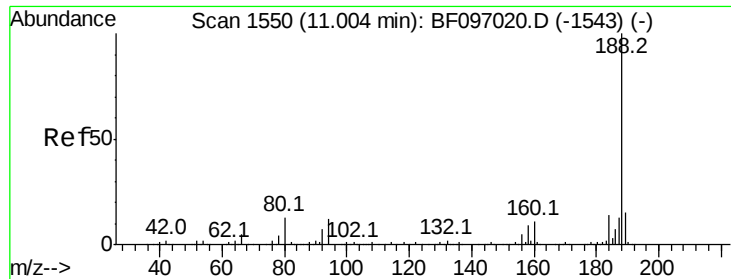
Acq: 2 Aug 2017 19:48

Tgt Ion:	172	Resp:	88047
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	22.8	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





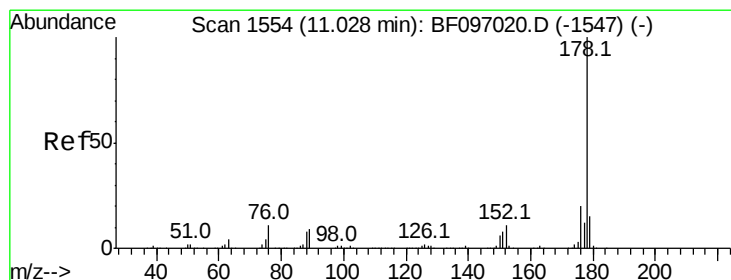
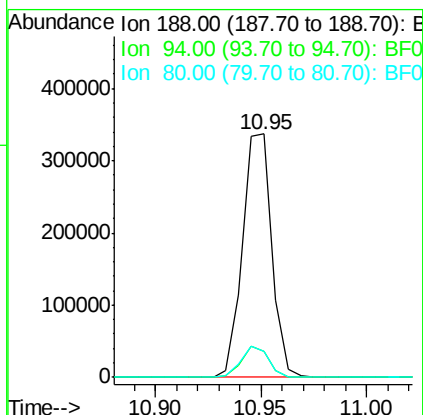
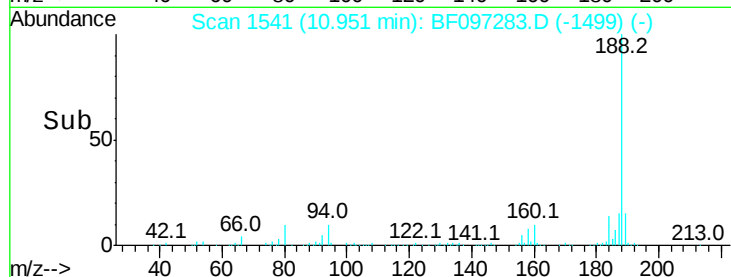
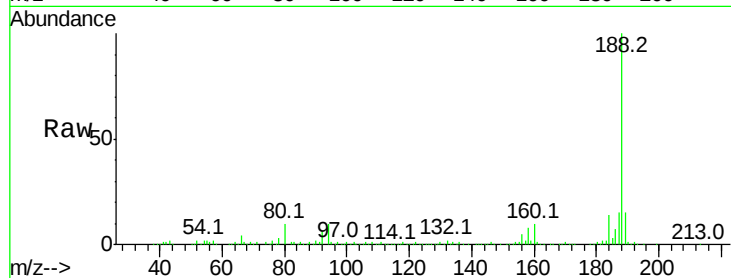
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	10.5	10.2	15.2	

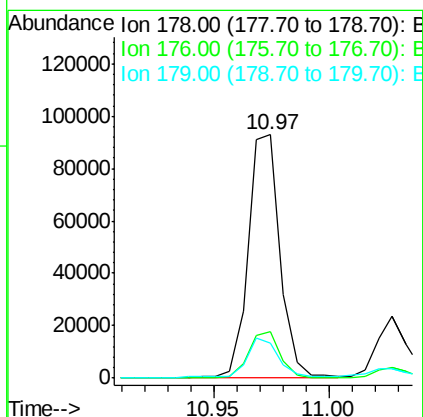
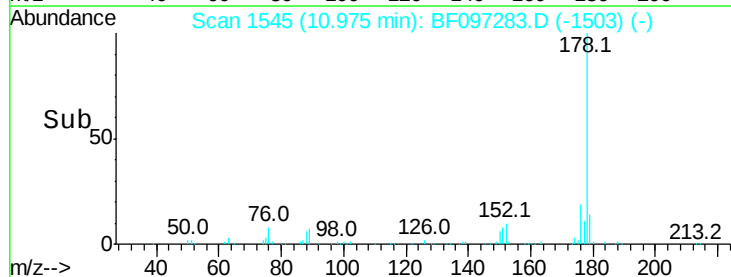
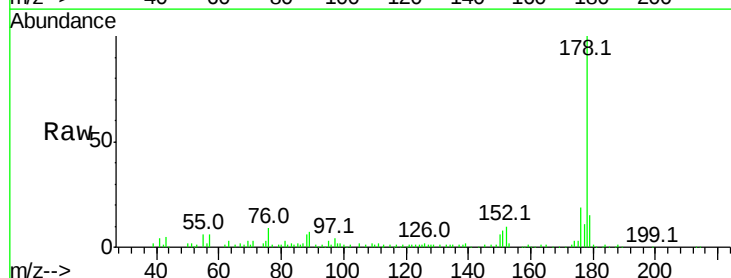
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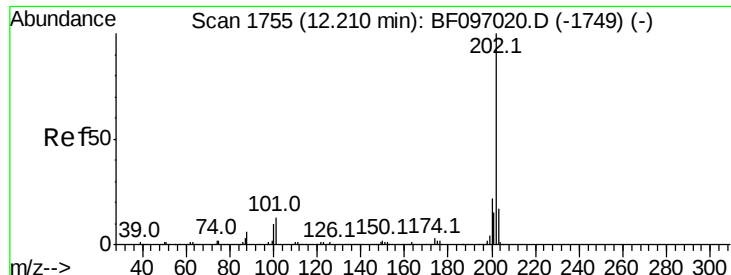
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#70
Phenanthrene
Concen: 5.176 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.0	16.2	24.4	
179	14.6	12.6	19.0	





#74

Fluoranthene

Concen: 6.289 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

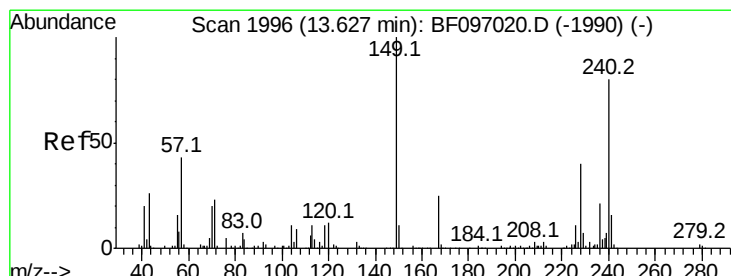
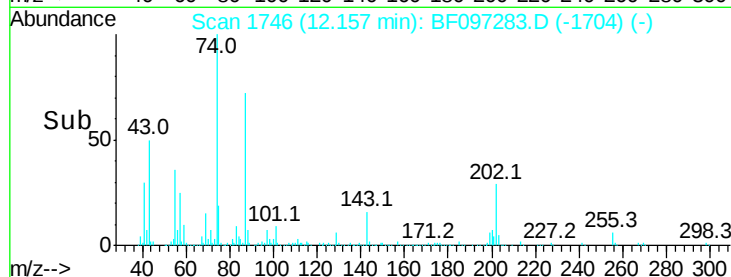
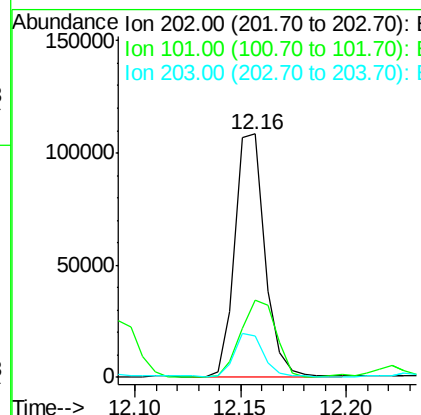
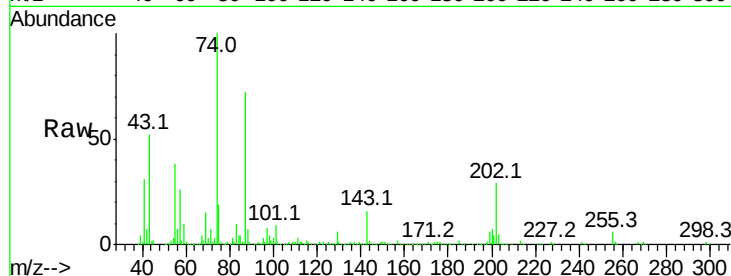
ClientSampleId :

HR-05-073117-A

Tot Ion:	202	Resp:	106970
Ion Ratio	Lower	Upper	
202	100		
101	31.8	0.0	33.2
203	17.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

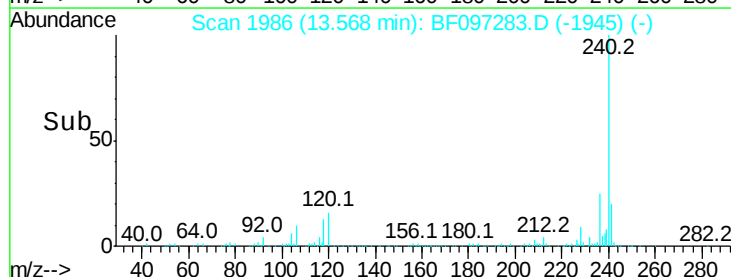
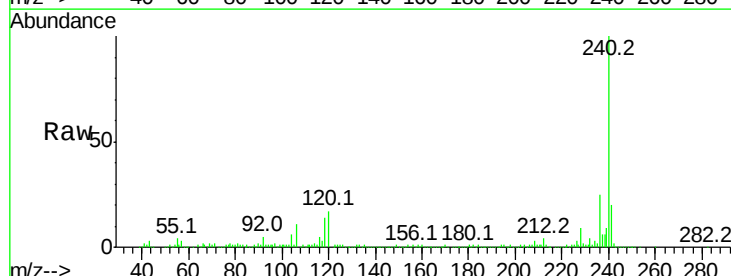
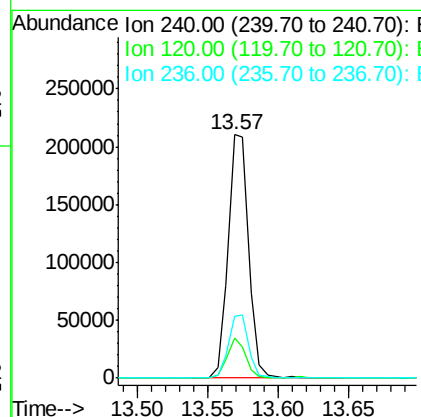
RT: 13.57 min Scan# 1986

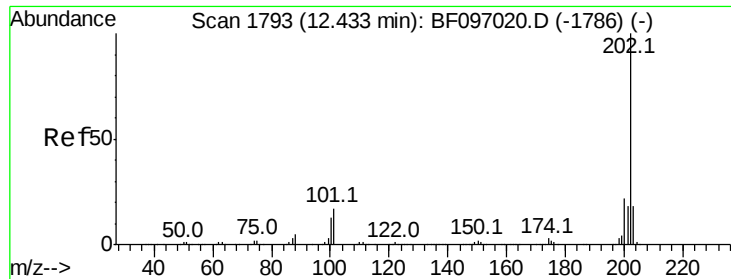
Delta R.T. -0.06 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Tgt Ion:	240	Resp:	212936
Ion Ratio	Lower	Upper	
240	100		
120	16.5	5.8	8.8#
236	25.3	20.5	30.7





#77

Pvrene

Concen: 5.512 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

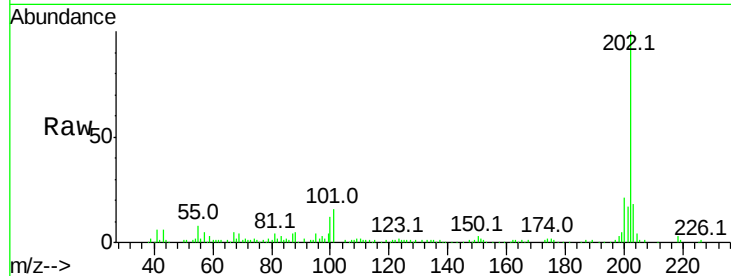
ClientSampleId :

HR-05-073117-A

Tot Ion:202	Resp:	96094
Ion Ratio	Lower	Upper
202 100		
200 20.6	17.6	26.4
203 18.1	14.4	21.6

Manual Integrations
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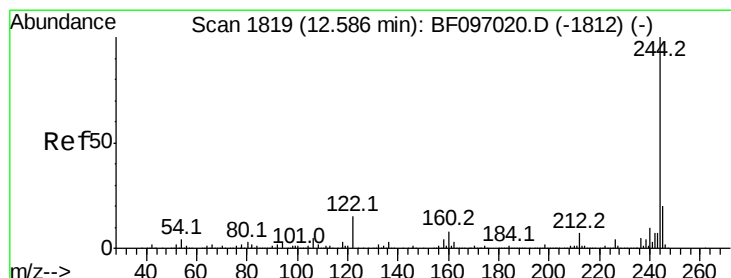
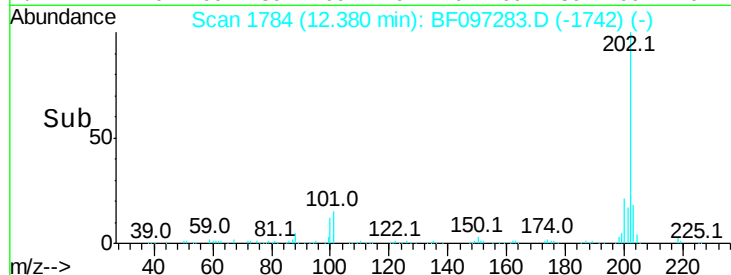
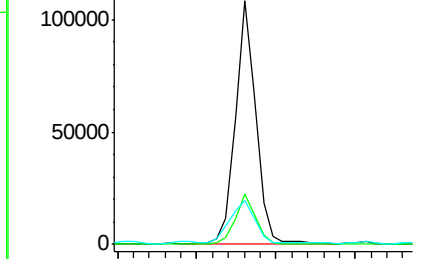
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 5.384 ng

RT: 12.53 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF097283.D

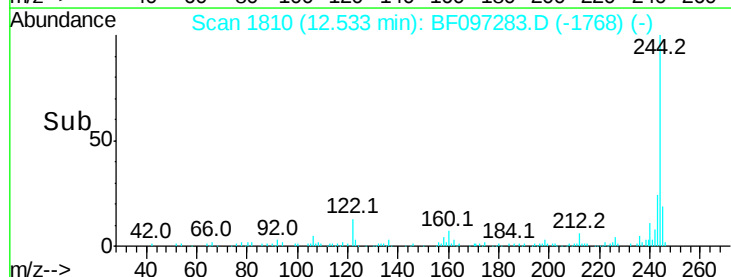
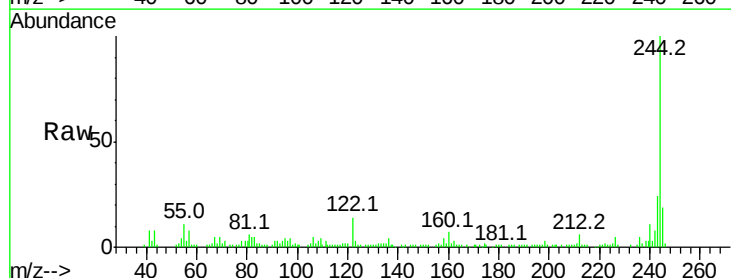
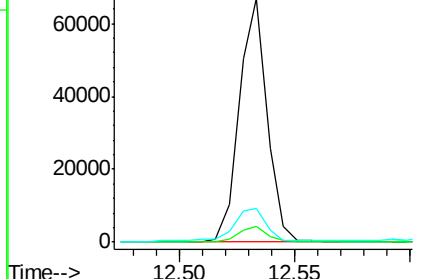
Acq: 2 Aug 2017 19:48

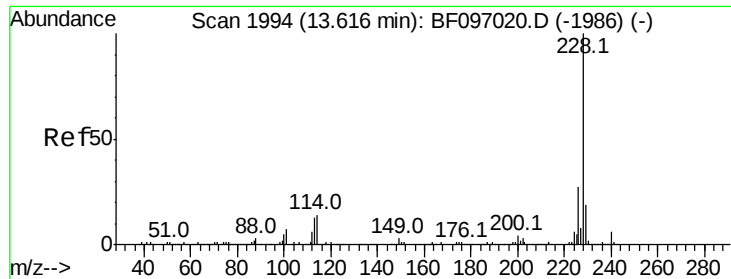
Tgt Ion:244	Resp:	56233
Ion Ratio	Lower	Upper
244 100		
212 6.3	6.0	9.0
122 13.6	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





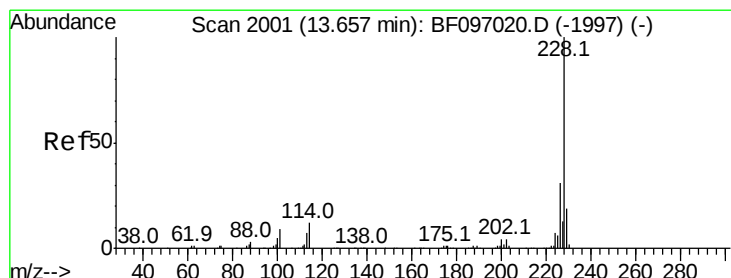
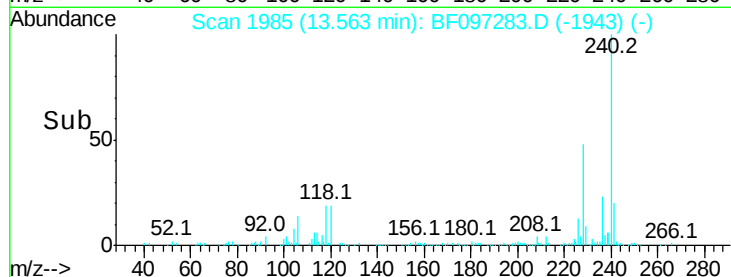
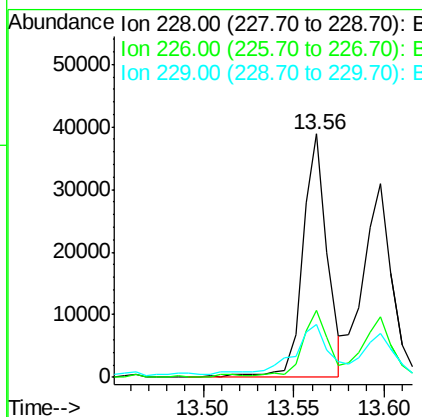
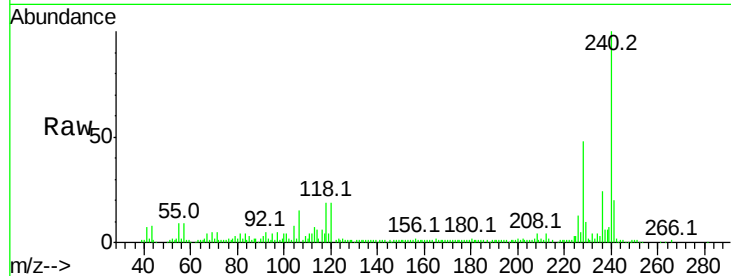
#80
Benzo(a)anthracene
Concen: 2.678 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.5	16.3	24.5

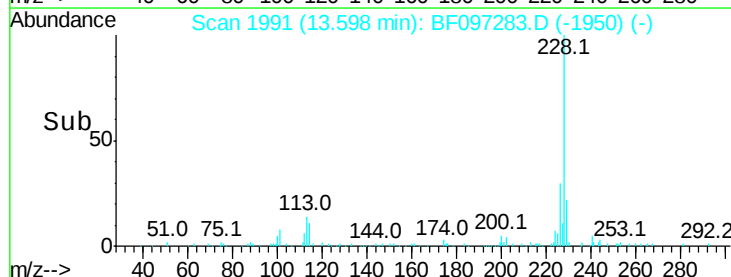
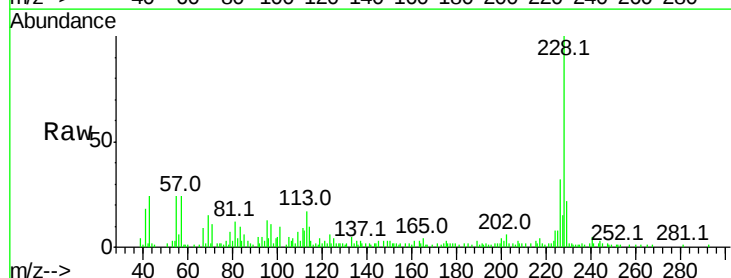
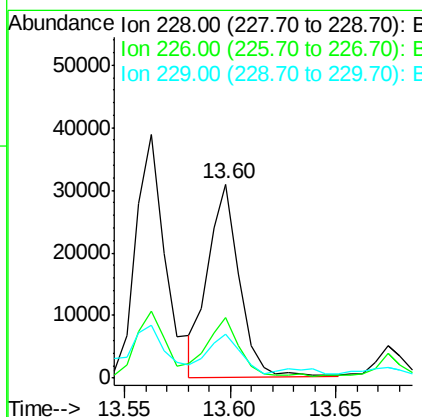
Manual Integrations
APPROVED

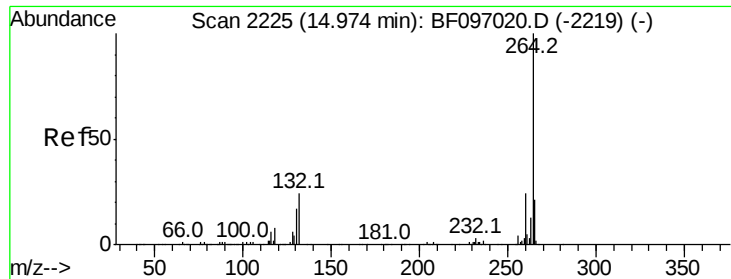
Sohil
8/3/2017 6:08:10 PM



#82
Chrysene
Concen: 2.390 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	22.4	15.8	23.6





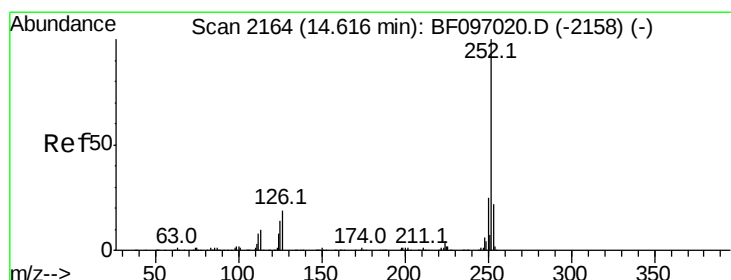
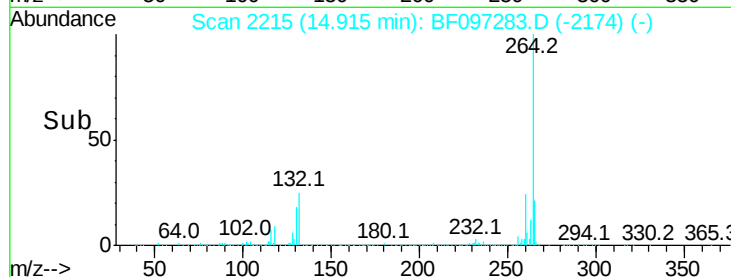
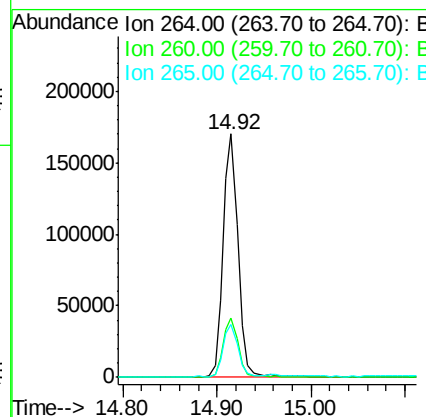
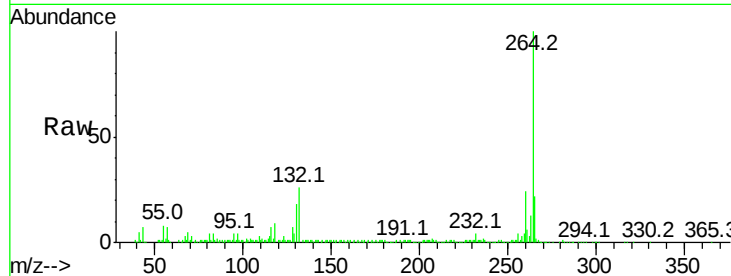
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.5	17.2	25.8

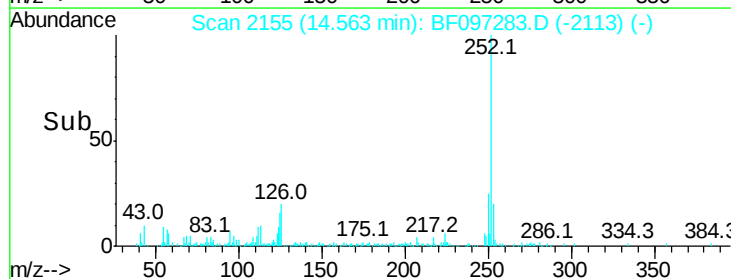
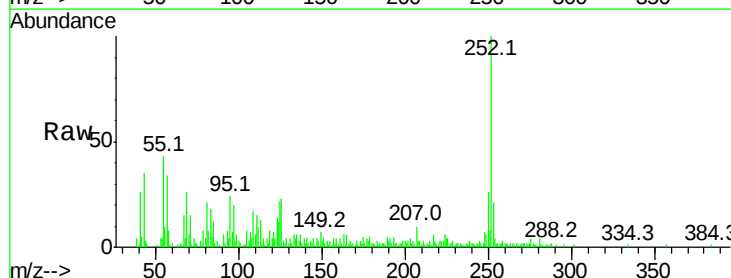
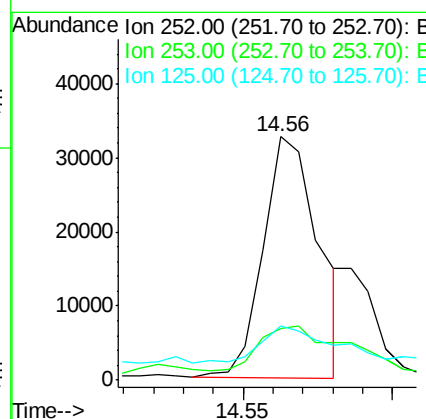
Manual Integrations
APPROVED

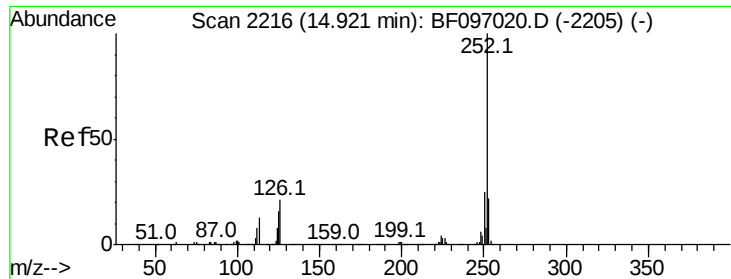
Sohil
8/3/2017 6:08:10 PM



#87
Benzo(b)fluoranthene
Concen: 3.641 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.1	27.1
125	22.5	9.8	14.8#





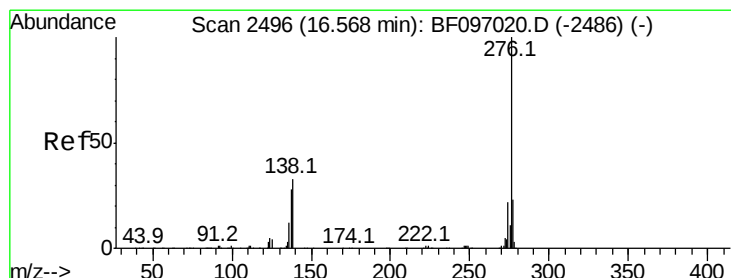
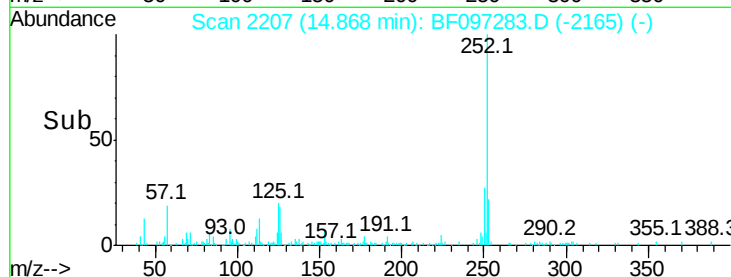
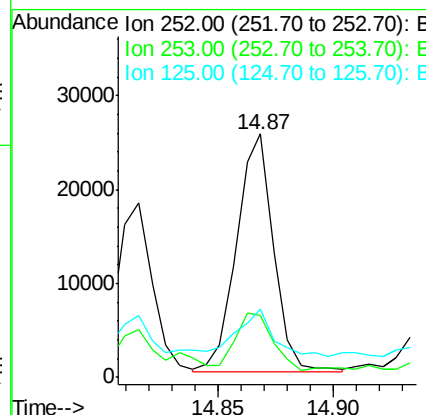
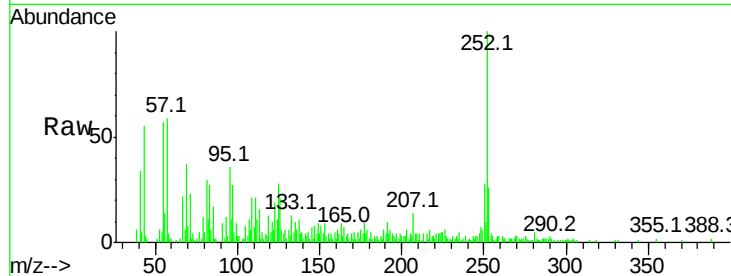
#89
Benzo(a)pyrene
Concen: 2.667 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
HR-05-073117-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	17.5	26.3
125	28.3	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:10 PM



#91
Benzo(g,h,i)perylene
Concen: 2.117 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.7	18.6	28.0
138	35.2	25.4	38.0

